

Title (en)

An image forming apparatus with a print control based on a temperature sensor inside and threshold values

Title (de)

Bilderzeugungsgerät mit Druckersteuerung auf Basis von einem Temperaturfühler im Gerät und Schwellwerten

Title (fr)

Dispositif de formation d'images avec la commande d'impression déterminée par un capteur de température dans l'appareil et valeurs de seuil

Publication

EP 1441261 A3 20110525 (EN)

Application

EP 03257886 A 20031216

Priority

- JP 2002363683 A 20021216
- JP 2003413644 A 20031211

Abstract (en)

[origin: EP1441261A2] An image forming apparatus such as a printer has: an image forming unit which forms an electrostatic latent image onto a charged photosensitive drum, deposits toner onto the image, and forms a visible image; a belt arranged so as to run freely in contact with the image forming unit; a temperature sensor which detects a temperature of the belt; and a controller which controls an image forming process on the basis of the detected temperature. Since the belt temperature is detected and the printing process is controlled on the basis of the detected temperature, an increase in temperature of the drum and an increase in temperature in the printer can be suppressed. Thus, the flowability of the toner in each image forming unit does not deteriorates and image quality can be improved.

IPC 8 full level

G03G 15/00 (2006.01); **G03G 21/20** (2006.01)

CPC (source: EP US)

G03G 15/50 (2013.01 - EP US); **G03G 15/5054** (2013.01 - EP US); **G03G 2215/00084** (2013.01 - EP US); **G03G 2215/0119** (2013.01 - EP US)

Citation (search report)

- [X] US 5907741 A 19990525 - MATSUZAWA KUNIIHIKO [JP], et al
- [X] US 2002085849 A1 20020704 - ENDO SAIJIRO [JP]
- [X] JP 2002072833 A 20020312 - FUJI XEROX CO LTD
- [X] US 5847361 A 19981208 - YONEKAWA NOBORU [JP], et al

Cited by

EP2090937A3; EP1918785A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

EP 1441261 A2 20040728; EP 1441261 A3 20110525; EP 1441261 B1 20150211; JP 2004212968 A 20040729; JP 4116531 B2 20080709; US 2004126124 A1 20040701; US 7167657 B2 20070123

DOCDB simple family (application)

EP 03257886 A 20031216; JP 2003413644 A 20031211; US 73604403 A 20031215